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The lectin pathway of complement activation

And a few other subjects with emphasis on methodologies

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Complement activation proceeds through three distinct pathways: the classical pathway, largely initiated by antibody bound to its targets, the lectin pathway initiated by five different pattern recognizing molecules, (PRMs) and finally through the alternative pathway where an ongoing spontaneous activation escapes control mechanisms on certain surfaces. Focus shall be on the lectin pathway, the PRMs and the associated serine proteases, the mode of activation, and clinical implications. However, before this I like to present a few research topics, I have been involved in earlier, with emphasis on a variety of techniques, which thought might be useful to some of you.